

RB218561 (STOCK)



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB23007638-1
Job Sheet 181124



125 Fxlv
gdc

Part No: RB23007638-1

Job Qty: 16 ea

Part Name: Wrench



Part Weight: 0 lbs

Status: Scheduled

Priority: High

Job Created: 7/20/18

Job Tracking No:

Due Date: 8/2/18

DAS

Created By: Logan David

Type: SOLD

44

Description:

RB23007638-1 REV-3

9-89

Note: IPP Rev A 17.11.03 New issue DP Verify DD

Ship Via:

o/s, o/s

B

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	16 Ea	8/2/18	8/2/18	0.00	0.00	Start Up Machining		J.C.T.
100	Bandsaw	16 pcs	8/2/18	8/2/18	0.00	1.60	Bandsaw1		J.C.T.
110	Mori Seiki	16 pcs	8/2/18	8/2/18	0.00	32.00	MORI NV5000-1		J.C.T.
120	QC	16 pcs	8/2/18	8/2/18	0.00	0.00	QC2		J.C.T. 18-10-19
130	QC	16 pcs	8/2/18	8/2/18	0.00	0.00	QC8		2nd 18/10/19
140	QC	16 pcs	8/2/18	8/2/18	0.00	0.00	QC5		NOT REQUIRED
145	Outsource	16 pcs	8/2/18	8/2/18	0.00	0.00	Outsource1	P/O: 041397	OCT 19 2018
150	Outsource	16 pcs	8/2/18	8/2/18	0.00	0.00	Outsource12		OCT 30 2018
160	Packaging	16 pcs	8/2/18	8/2/18	0.00	0.00	Packaging2		NOV 08 2018
170	QC	16 pcs	8/2/18	8/2/18	0.00	0.00	QC6		38
180	Packaging	16 pcs	8/2/18	8/2/18	0.00	0.00	Packaging3		MLC-89
190	QC21-SA	16 Ea	8/2/18	8/2/18	0.00	0.00	QC21		NOV 09 2018

Part Op 100 - Cut blanks to 7.85"

Descriptions: 110 - 1-Machine as per folio FC 335 FOLIO REV: DWG REV: 2-Deburr

120145 - Engrave T/N And S/N number as required Using Marktronic engraver as per DWG.

145 - 1-Issue P/O to Metcore ; P/O RC 36-40 2-Bead blast 3- Certificate of Conformity is required

NOTE DROP SHIP TO FINISHER Metcore to ship directly to Groupe Altech

150 - 1-Issue P/O to Groupe Altech; PO 041522 -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140-S-0.500X1.625	4140 Steel Plate 0.500 X 1.625	10 ft (.625 ea)	90-Start up Operation	5093 317

5112 749

Job Allocations

Component Part	Required	Inventory	Allocated
4140-S-0.500X1.625	10	6	0

Part Specifications

Specifications could not be found.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S119830



Part: RB23007638-1

Job No: 181124

Serial No/Batch: S119830

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 10/19/18

Plex 8/28/18 11:39 AM dart.logan.david

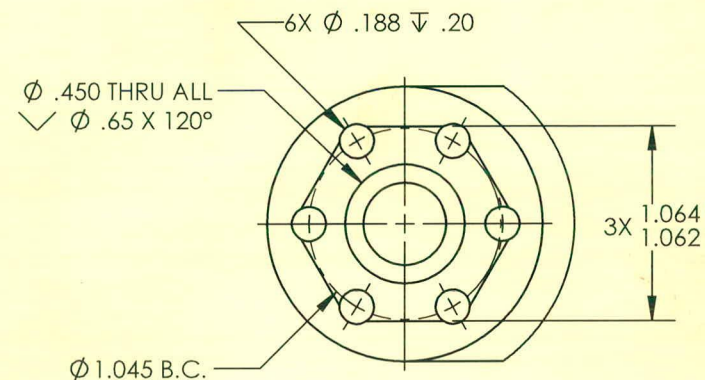
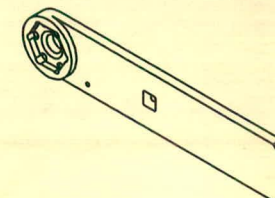
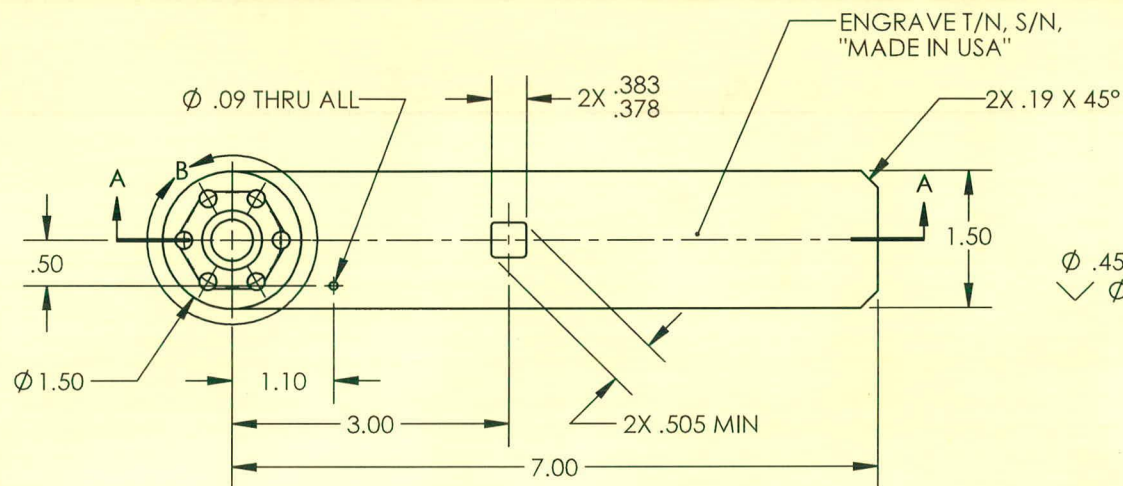
OCT 3 0 2018

10:00 AM

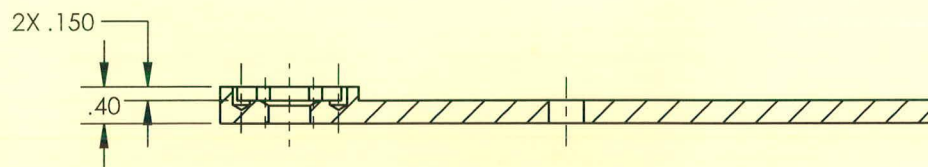
10:00 AM

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0471	-1 CH'D DIMS WAS .375-.378 IS 2X .378-.383, WAS .505 MIN IS 2X .505 MIN, WAS R.75 IS Ø1.50. ADDED ENGRAVE NOTE.	1/5/2016	DPD	JAG



DETAIL B
SCALE 1 : 1



SECTION A-A

(1)

WRENCH

DART AEROSPACE	
TITLE WRENCH - FUEL INJECTOR	
DWG NO. RB23007638-1	REV 3
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 36-40	.XXX ± .005 FRACTIONS ± 1/8
FINISH BLACK OXIDE	.XX ± .01 ANGLES ± .5°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: COLE	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:	USED ON MODEL
APPROVED:	SEE NOTE 2 SHEET 1
SCALE 1:2	DATE 8/25/2003 SHEET 2 OF 3



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041397**

Supplier: ATL002-VC
Atlantic Heat Treat 2001
401 Frankcom
Ajax
ON
L1S R14 Canada
Phone: 866 257 6395

PO No: PO041397
PO Date: 10/19/18
Due Date: 10/29/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		RB23007638-1	Wrench 1--Issue P/O to Atlantic Heat ; P/O RC 36-40 2-Bead blast 3- Certificate of Conformity is required	Firmed	-	10/29/18	16 pcs	0 pcs	16 pcs	\$10.4375/pcs	\$167.00
Line Item Note parts made from 4140 plate Grand Total: \$167.00											

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/29/18 8:04 AM dart.tsimiklis.chrisoula

Shipping Ticket

Sold To: 1448
DART AEROSPACE LTD.
1270 ABERDEEN ST

HAWKESBURY ON K6A 1K7

Ship To: 156755
DART AEROSPACE LTD.
1270 ABERDEEN ST

HAWKESBURY ON K6A 1K7

Page 1 of 1

Purchase Order Number	Packing List No	Customer Job No	Route	Carrier
PO041397 ✓				

Quantity	Part No. / Part Name / Part Description	Pounds
✓ 16PCS	MATERIAL 4140 ANNEAL AND HEAT TREAT TO 36-40RC SAND BLAST, C OF C, PRT# RB23007638-1 ✓	

Container Type	# Of Containers	Cust Cont Id	Container Type	# Of Containers	Cust Cont Id
BOX	1				

NOTICE: OUR LIABILITY IS LIMITED TO OUR INVOICE CHARGES ONLY

Shipped Complete

Quantity Shipped:

Pounds Shipped:

16
14.00

37m

10-29-18

Order No.: 159626

Shipped Complete

Quantity Shipped: 16.00

Received By:

Date:

Pounds Shipped: 14.00

Sold To: DART AEROSPACE LTD.

Shipped ON: 10/23/2018



3 for

81-PS-01



Certification

Date: 10/29/2018

Entry Date: 10/23/2018

Page: 1 of 1

To:DART AEROSPACE LTD.
1270 ABERDEEN ST

Purchase Order No.: PO041397 ✓

Packing List No.:

HAWKESBURY ON K6A 1K7

Material: 4140

We are pleased to provide you with the following Certificate of Compliance.

Quantity	Part Number / Part Name / Part Description	Pounds
16 ✓	16PCS MATERIAL 4140 ANNEAL AND HEAT TREAT TO 36-40RC SAND BLAST, C OF C, PRT# RB23007638-1 ✓	14

Insp. Type	Scale	Minimum	Maximum	Number	Other
------------	-------	---------	---------	--------	-------

Customer Requirements:

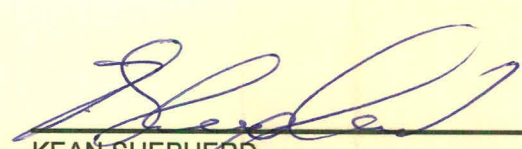
Harden rockwell

Results:

Harden ROCKWE	36.	40.	37. TESTED AS PER SAMPLING PLAN
---------------	-----	-----	---------------------------------

HEAT TREATED TO 37 RC AS PER CUSTOMER REQUEST

STATEMENT OF LIMITED LIABILITY (PLEASE READ CAREFULLY). ALL WORK IS ACCEPTED SUBJECT TO THE FOLLOWING CONDITIONS: It is recognized that even after employing all the scientific methods known to us, hazards still remain in metal treating. THEREFORE, OUR LIABILITY SHALL NOT EXCEED TWICE THE AMOUNT OF OUR CHARGES FOR THE WORK DONE ON ANY MATERIAL (FIRST TO REIMBURSE FOR THE CHARGES AND SECOND TO COMPENSATE IN THE AMOUNT OF THE CHARGES), EXCEPT BY WRITTEN AGREEMENT SIGNED BY THE METAL TREATER. THE CUSTOMER, BY CONTRACTING FOR METAL TREATMENT, AGREES TO ACCEPT THE LIMITS OF LIABILITY AS EXPRESSED IN THIS STATEMENT TO THE EXCLUSION OF ANY AND ALL PROVISIONS AS TO LIABILITY ON THE CUSTOMER'S OWN INVOICES, PURCHASE ORDERS OR OTHER DOCUMENTS. IF THE CUSTOMER DESIRES HIS OWN PROVISIONS AS TO LIABILITY TO REMAIN IN FORCE AND EFFECT, THIS MUST BE AGREED TO IN WRITING, SIGNED BY AN OFFICER OF THE TREATER. IN SUCH EVENT, A DIFFERENT CHARGE FOR OUR SERVICES REFLECTING THE HIGHER RISK TO TREATER, SHALL BE DETERMINED BY THE TREATER AND CUSTOMER. THE TREATER MAKES NO EXPRESS OR IMPLIED WARRANTIES AND SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF THE FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, AS TO THE PERFORMANCE OF CAPABILITIES OF THE MATERIAL AS HEAT TREATED, OR THE HEAT TREATMENT. THE AFOREMENTIONED LIMITATION OF LIABILITY STATED ABOVE IS SPECIFICALLY IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS, AND OF ANY OTHER SUCH OBLIGATION ON THE PART OF THE TREATER. No claim for shortage in weight or count will be entertained unless presented within five (5) working days after receipt of materials by customer. No claim will be allowed for shrinkage, expansion, deformity, or rupture of material in treating or straightening, except by prior written agreement, as above, nor in any case for rupture caused by or occurring during subsequent grinding. Whenever we are given material with detailed instructions as to treatment, our responsibility shall end with the carrying out of those instructions. Failure by a customer to indicate plainly and correctly the kind of material (i.e., proper alloy designation) to be treated, shall cause an extra charge to be made to cover any additional expense incurred as a result thereof, but shall not change the limitation of liability stated above. Customer agrees there will be no liability on the treater in contract for any special, indirect or consequential damages arising whatsoever, including but not limited to personal injury, property damage, loss of profits, loss of production, recall or any other losses, expenses or liabilities allegedly occasioned by the work performed on the part of the treater. It shall be the duty of the customer to inspect the merchandise immediately upon its return, and in any event claims must be reported prior to the time that any further processing, assembling or any other work undertaken. OUR LIABILITY TO OUR CUSTOMERS SHALL CEASE ONCE ANY FURTHER PROCESSING, ASSEMBLING OR ANY OTHER WORK HAS BEEN UNDERTAKEN ON SAID MATERIAL. No agent or representative is authorized to alter the above conditions, except by writing duly signed by an officer of treater.


KEAN SHEPHERD
QUALITY CONTROL

ATLANTIC HEAT TREATING 2001 LTD



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041522**

Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

PO No: PO041522
PO Date: 10/30/18
Due Date: 11/8/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 60
Freight Terms:
Special Comments:

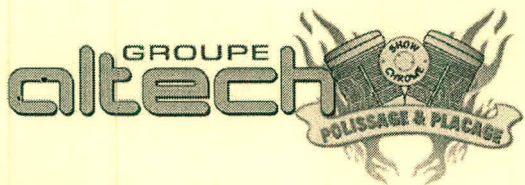
Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	181124	RB23007638-1	Wrench -Issue P/O to Groupe Altech; PO -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	-	11/8/18	16 pcs	0 pcs	16 pcs	\$7.50/pcs	\$120.00
Grand Total:											\$120.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/31/18 11:12 AM dart.tsimiklis.chrisoula



Certificat de Conformité / Certificate of Compliance

(014014-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

014014- 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
08-Nov-2018		Aman		041522					
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty		Qté Scrap/	À venir/ Back Order
1	RB23007638-1 Rev. ✓	RB23007638-1 MIL-C-13924XC CLASS 101 OXIDE BLACK [OXIDE BLACK]	OXIDE-BLACK CH	16	16 ✓	0	0	0	0

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness
Inspecteur Qualité
Quality Inspector
Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

